CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-25.

- After this Amendment: Claims 1, and 3-19.

Non-Elected, Canceled, or Withdrawn claims: Claims 2, and 20-25.

Amended claims: Claims 1 and 13.

New claims: None.

Claims:

1.   **(Currently Amended)** A   method   for   stylizing   video, comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar [characteristic] color;

receiving an input identifying a group of the three dimensional volumes; and

identifying the group of three dimensional volumes as a single semantic region.

2.   **(Canceled)**

3. **(Original)** The method of claim 1, wherein the spatio-temporal segmentation analysis comprises an anisotropic kernel mean shift segmentation procedure.

4. **(Original)** The method of claim 1, wherein the input comprises an interactive user input.

5. **(Original)** The method of claim 1, wherein the three dimensional volumes of contiguous pixels comprise segments.

6. **(Original)** The method of claim 5, wherein the user input comprises outlining a plurality of segments.

7. **(Original)** The method of claim 6, wherein the outlining is performed on a number of keyframes of the video, the number of keyframes being fewer than a total number of frames of the video.

8. **(Original)** The method of claim 7, wherein additional segments on frames of the video other than keyframes are identified by determining a relationship of the additional segments to the segments outlined on the keyframes.

9. **(Original)** The method of claim 8, wherein the relationship comprises at least a portion of the additional segments being enclosed by one or more of the segments outlined on the keyframes.

10. **(Original)** The method of claim 9, wherein the at least a portion comprises at least a majority of pixels of the additional segments.

11. **(Original)** The method of claim 1, further comprising applying a stylization to the single semantic region.

12. **(Original)** The method of claim 11, wherein the stylization comprises a mean shift technique.

13. **(Currently Amended)** A computer-readable medium having computer-executable instructions for stylizing video, the instructions comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar [characteristic] color;

receiving an input identifying a group of the three dimensional volumes; and

identifying the group of three dimensional volumes as a single semantic region.

14. **(Original)** The computer-readable medium of claim 13, wherein the instructions further comprise deriving a set of edge sheets that represent the surface of the single semantic region and associating the edge sheets with the semantic region.

15. **(Original)** The computer-readable medium of claim 14, further comprising rendering the edge sheets as a curve between the semantic region and another portion of the video.

16. **(Original)** The computer-readable medium of claim 14, wherein a thickness of the edge sheets is determined based on criteria associated with the single semantic region.

Serial No.: 10/814,851
Atty Docket No.: MS1-1895US
Atty/Agent: Jason F. Lindh
RESPONSE TO NON-FINAL OFFICE ACTION

6

lee&hayes   The Business of IP™
www.leehayes.com   509.324.9256

17. **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a position of the edge sheet relative to an arclength of the edge sheet.

18. **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a duration of existence of the semantic region in the video.

19. **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a movement of the semantic region in the video.

20. **(Canceled)**

21. **(Canceled)**

22. **(Canceled)**

23. **(Canceled)**

24. **(Canceled)**

25. **(Canceled)**